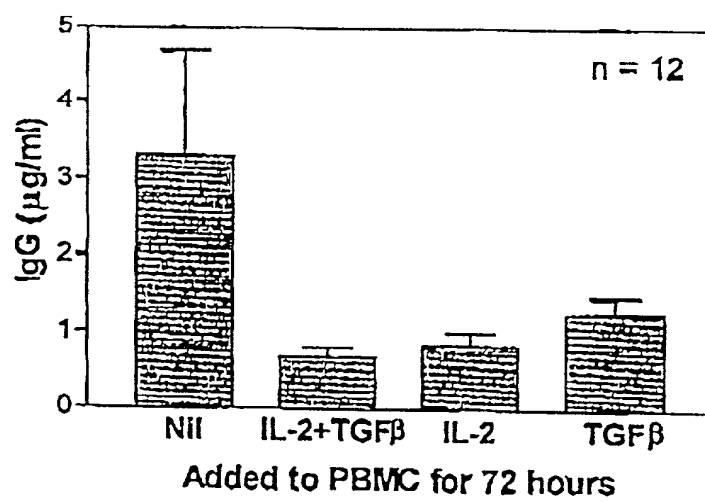
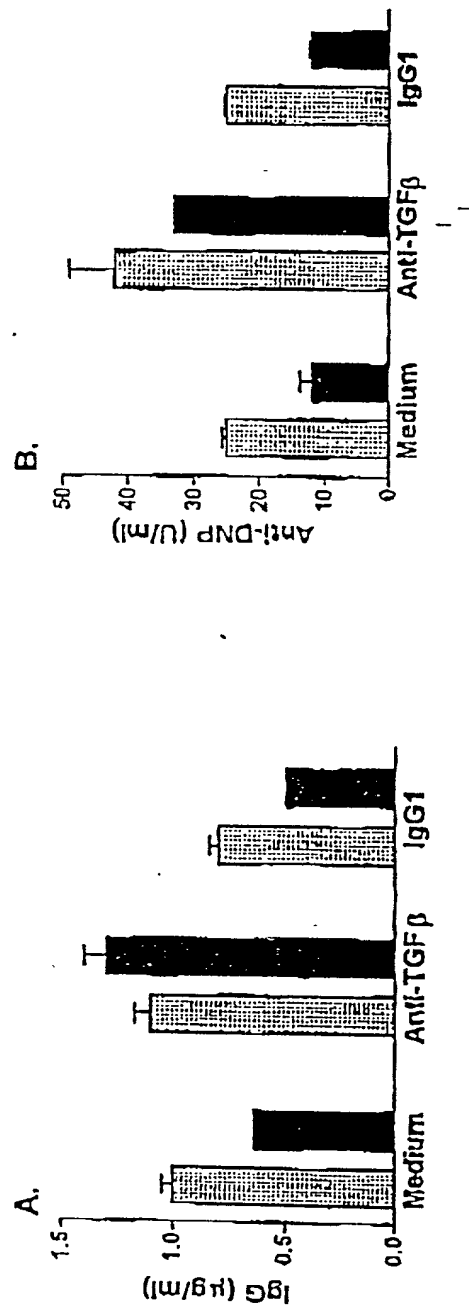


**FIG. 1**

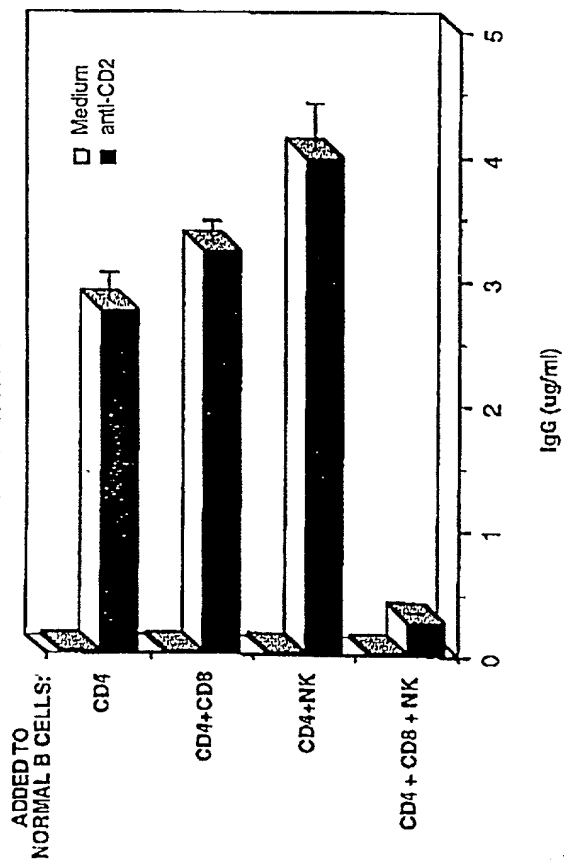


**FIG. 2**

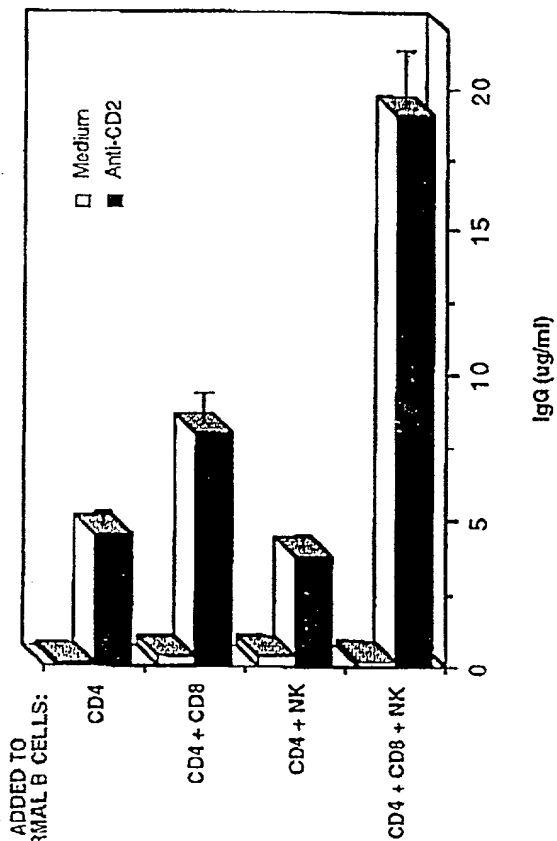


**FIG. 3**

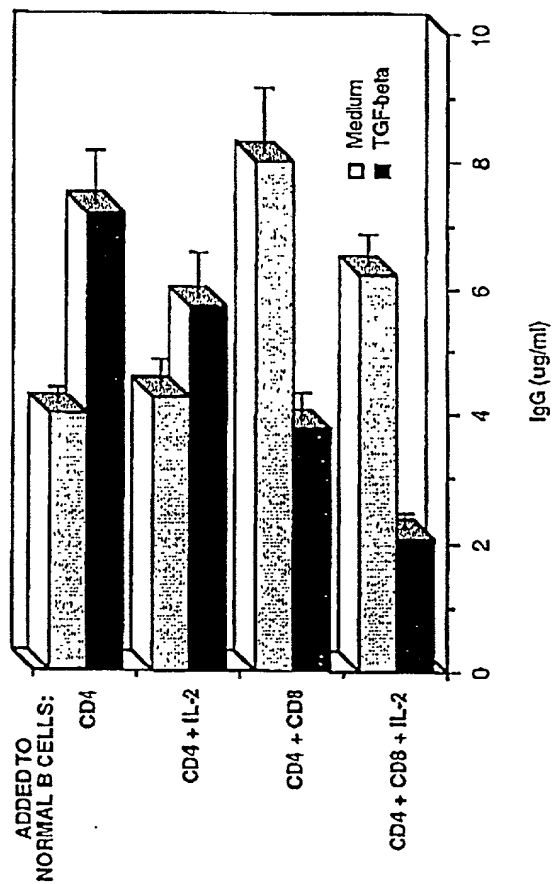
### A. NORMAL CONTROL



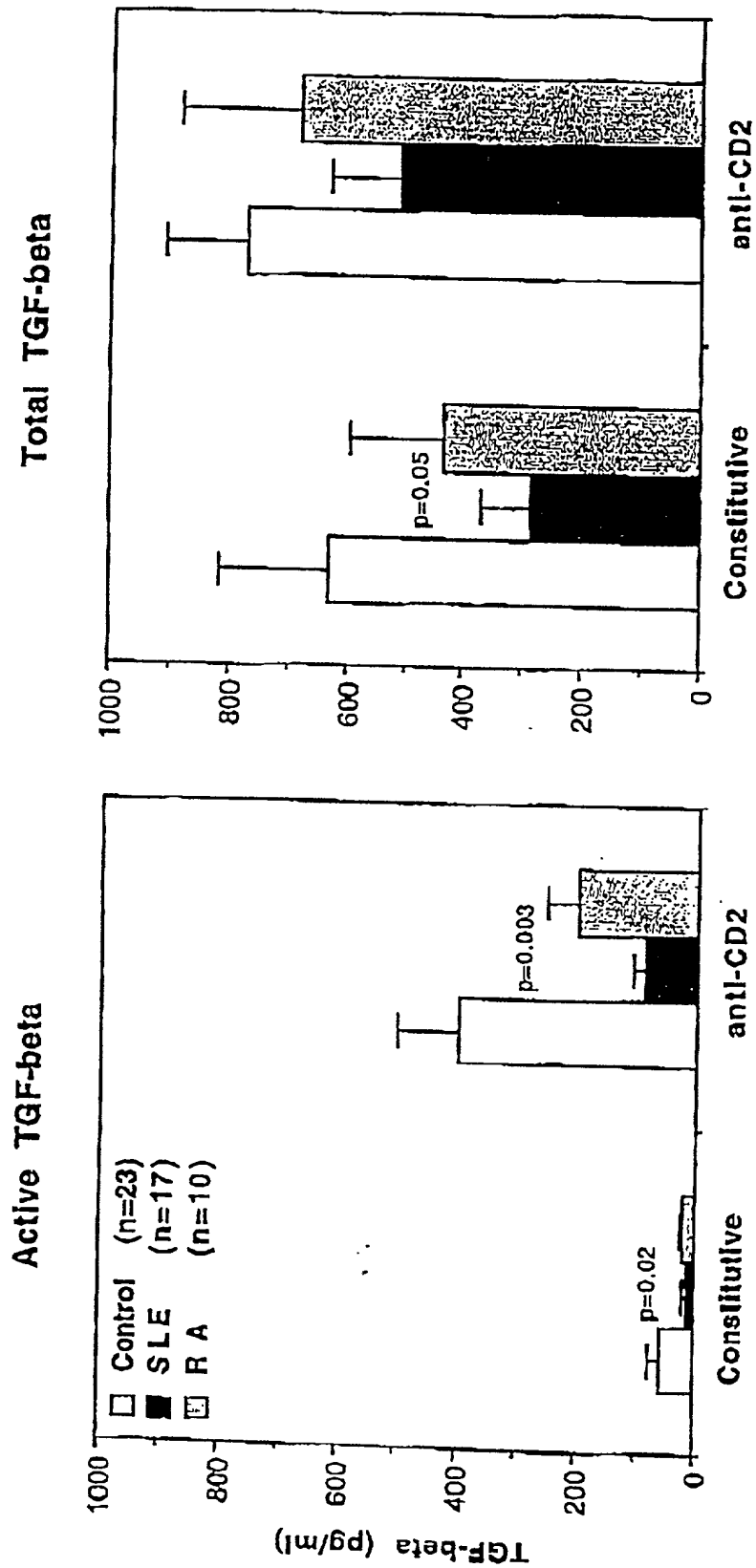
### B. PATIENT WITH ACTIVE SLE



### C. PATIENT WITH ACTIVE SLE



**FIG. 4**



**FIG. 5**

Figure 6

TGF- $\beta$  has opposing effects on T cell production of TNF- $\alpha$  and IL-10

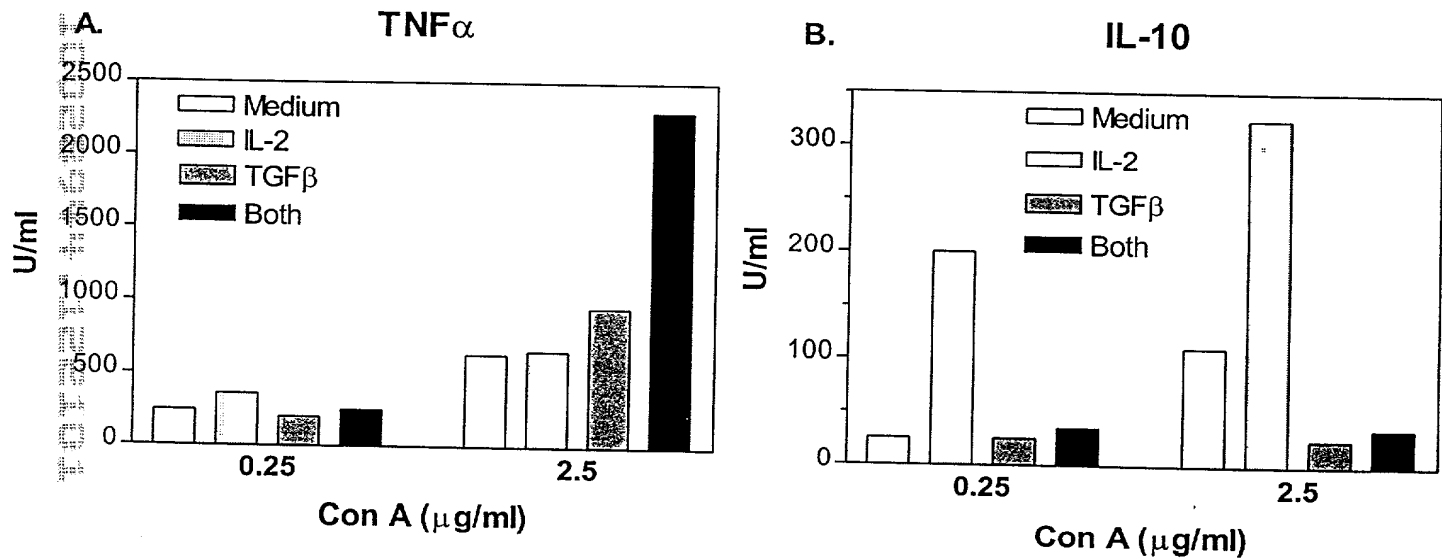
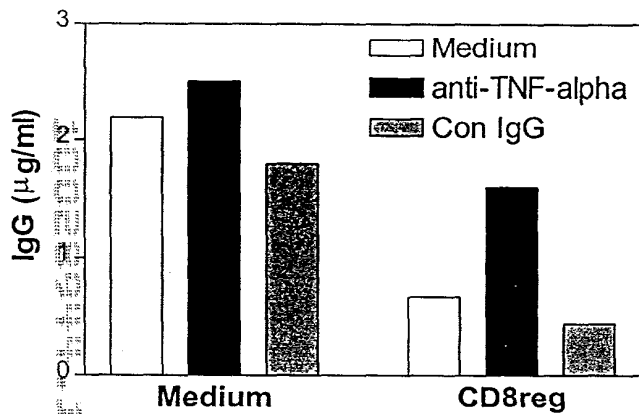


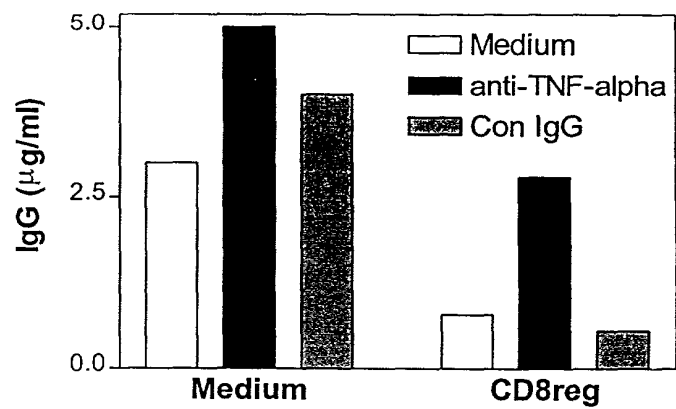
Figure 7

**TNF- $\alpha$  is an essential intermediate for the generation of regulatory T cells by TGF- $\beta$**

Exp 1



Exp 2



# Figure 8

Enhanced production of Th1 cytokines by TGF- $\beta$  primed T cells is dependent upon TNF- $\alpha$

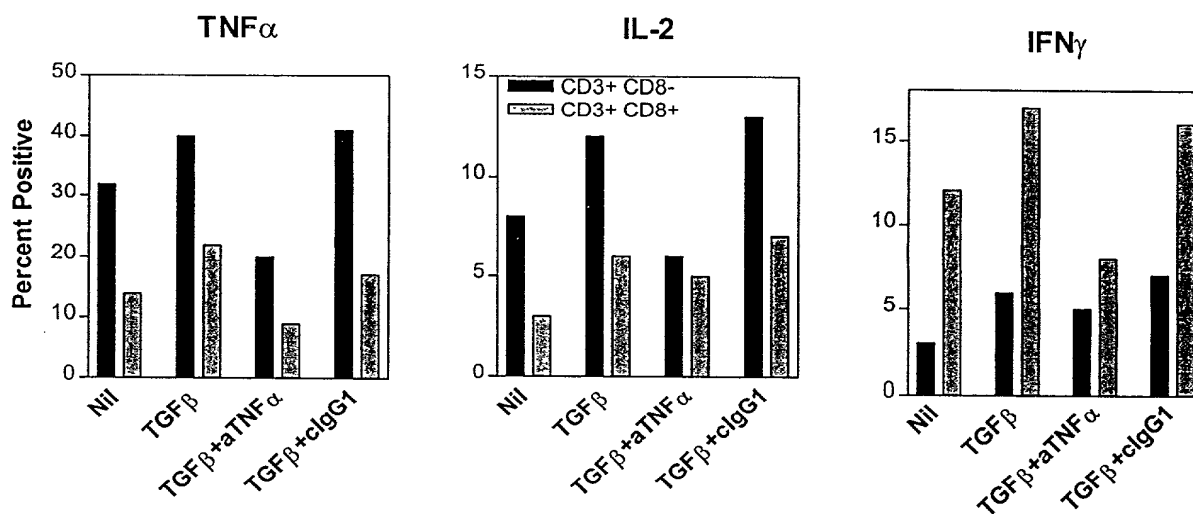




Figure 9

**EFFECT OF TGF- $\beta$  ON VARIOUS T CELL SUBSETS IN THE GENERATION OF SUPPRESSORS OF CYTOTOXIC T CELL ACTIVITY**

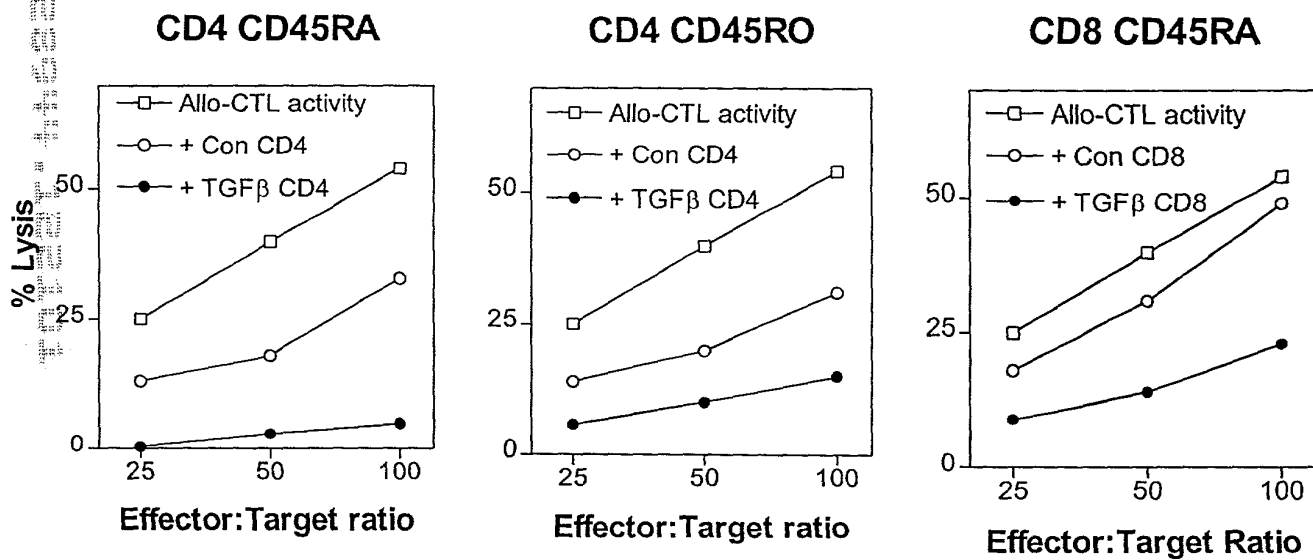
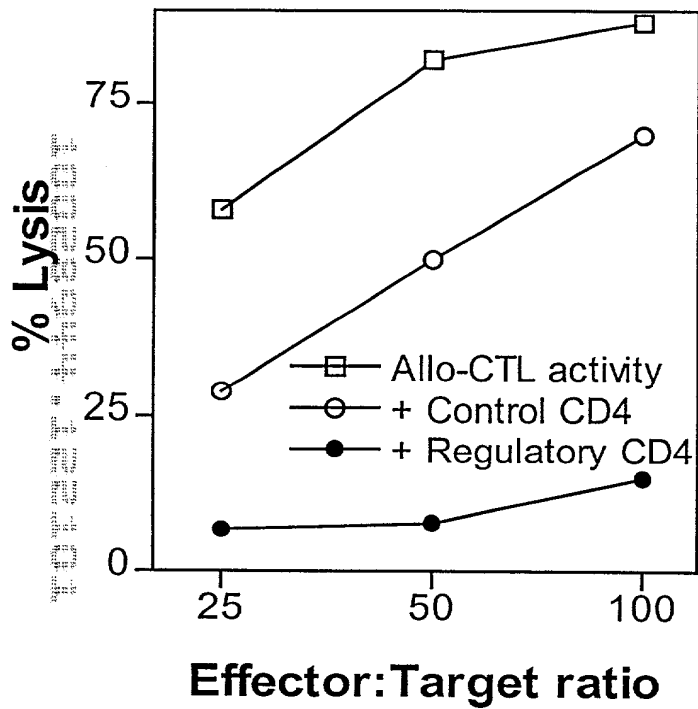


Figure 10

# EFFECT OF CD4 CELLS PRIMED WITH TGF- $\beta$ (CD4reg) ON ALLO-CTL ACTIVITY

Exp 1



Exp 2

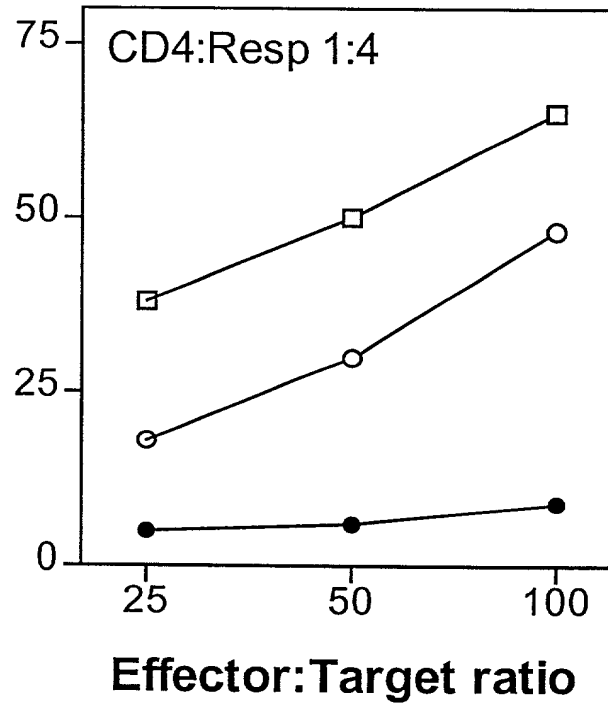
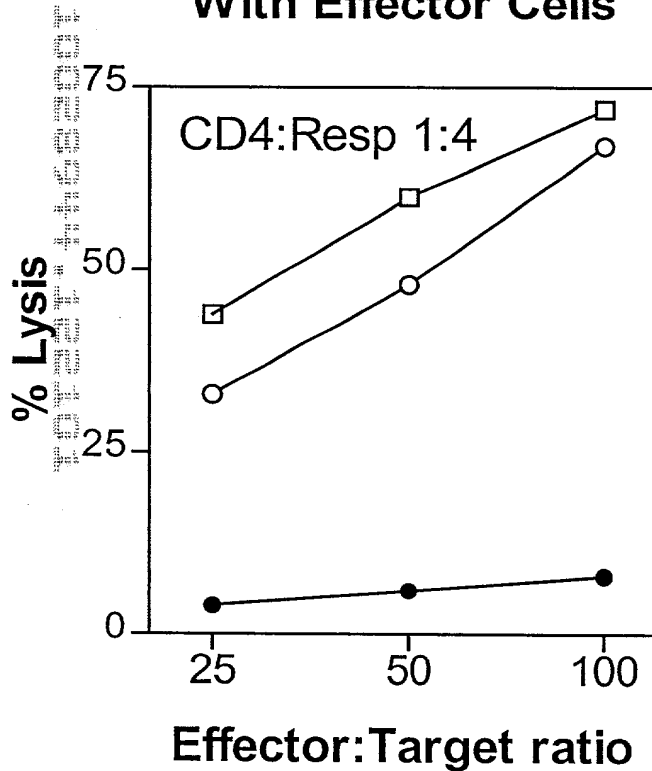


Figure 1!

## CD4 REGULATORY T CELLS REQUIRE CELL CONTACT TO INHIBIT CYTOTOXIC T LYMPHOCYTE ACTIVITY

With Effector Cells



Separated from Effector cells

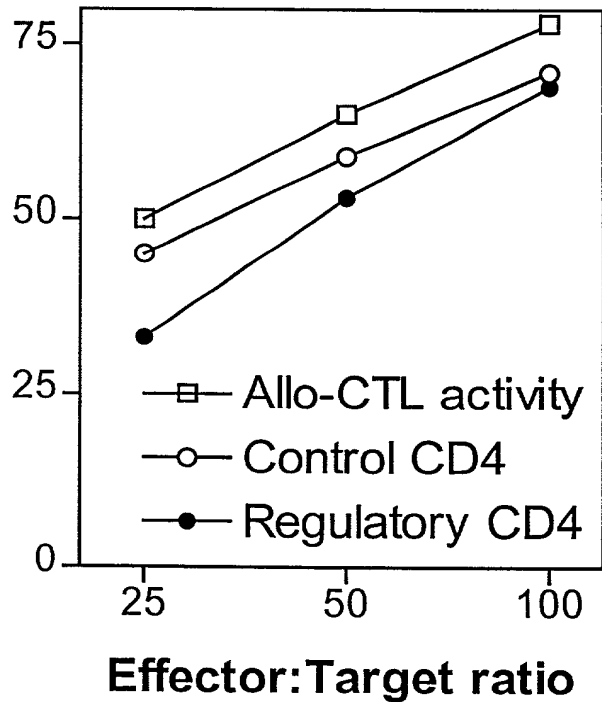


Figure 12

**Suppression of lymphocyte proliferation by regulatory CD4+ T cells induced with TGF- $\beta$ .**

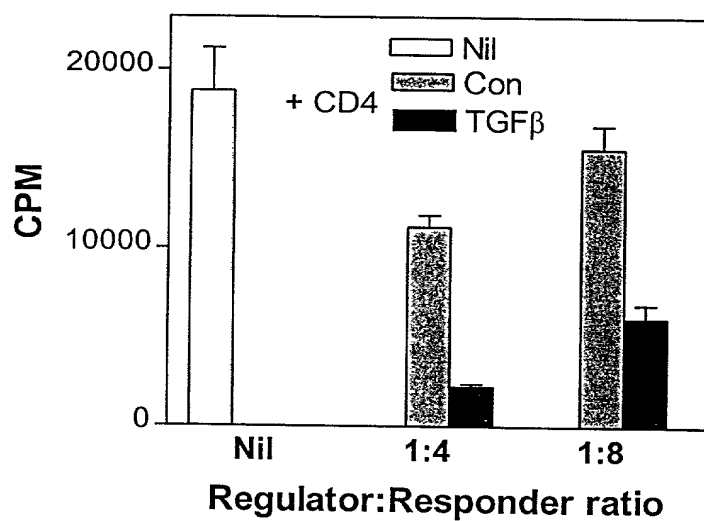


Figure 13

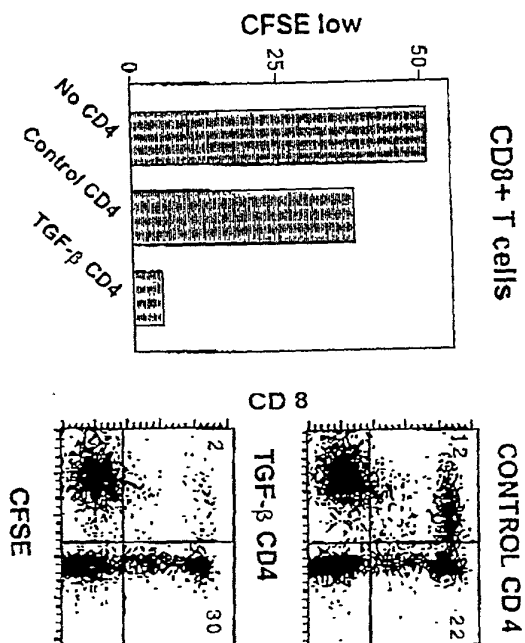


Figure 14

Regulatory CD4<sup>+</sup> T cells are CD25<sup>+</sup> and are extremely potent

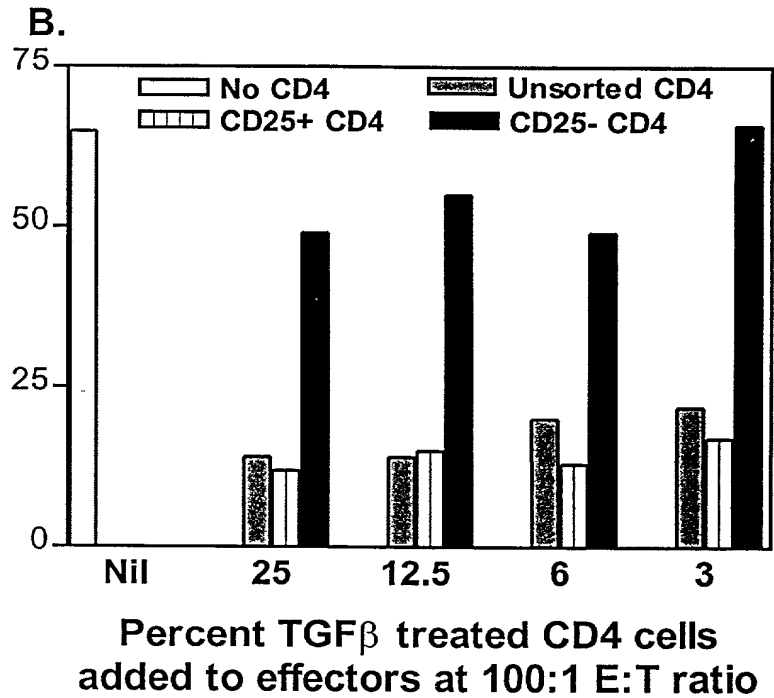
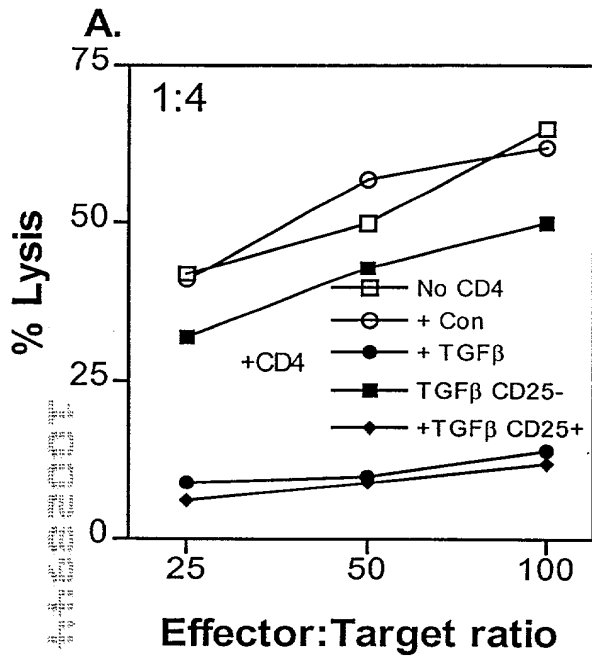
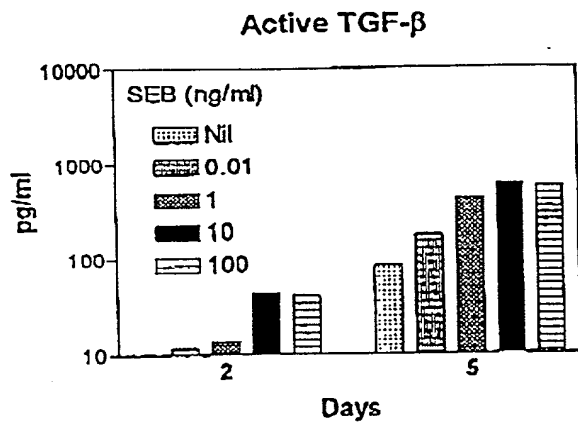
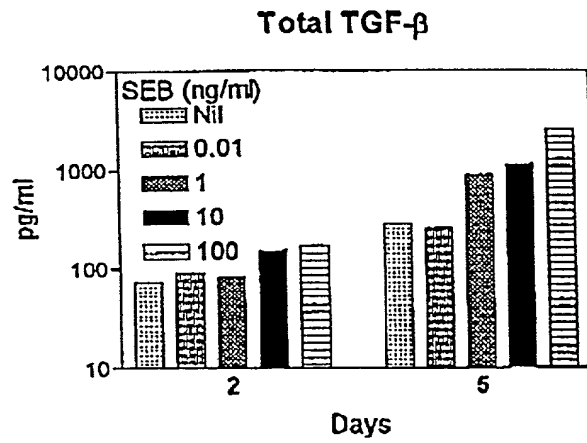


Figure 15



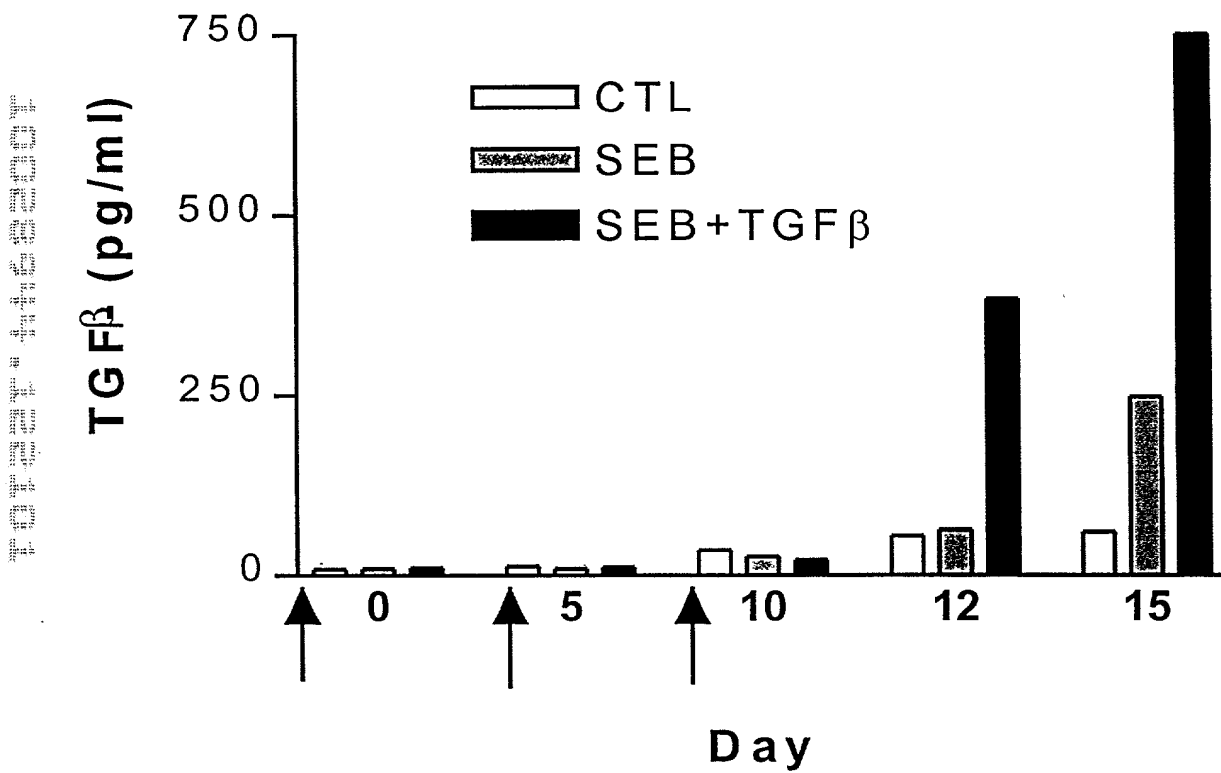
A



B

Figure 16

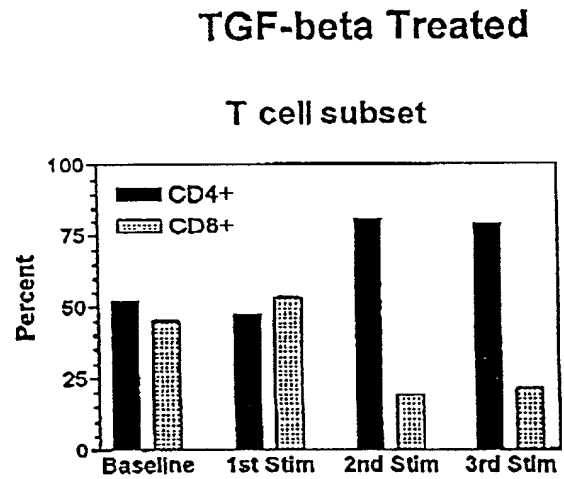
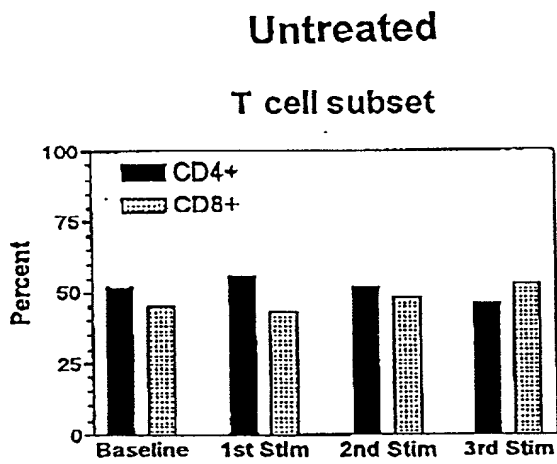
**Repeated stimulation of CD4<sup>+</sup> T cells with low dose SEB enables them to produce immunosuppressive levels of TGF- $\beta$**





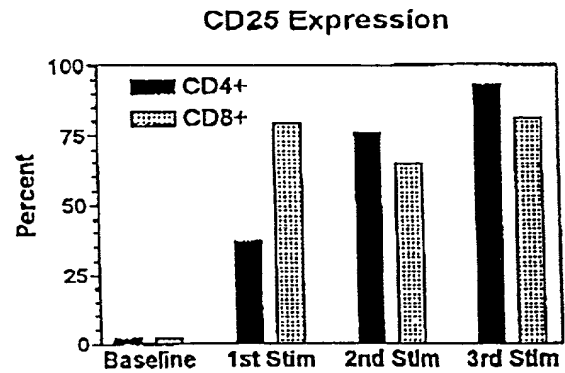
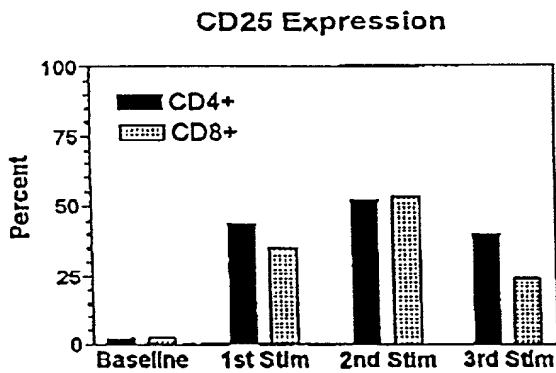
# Figure 17

A



e

B



c